





European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 00 12 3935

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 848 164 A (TOYODA AUTOMATIC LOOM WORKS) 17 June 1998 (1998-06-17) * column 5, line 51 - column 6, line 45; figures 1,3 *	1,2,8,10	F04B27/18
X	US 5 702 235 A (ITO NAOYUKI ET AL) 30 December 1997 (1997-12-30) * column 3, line 44 - column 4, line 13; figures 1,2 *	1,2,8,10	
D,A	PATENT ABSTRACTS OF JAPAN vol. 017, no. 423 (M-1458), 6 August 1993 (1993-08-06) & JP 05 087047 A (T G K:KK), 6 April 1993 (1993-04-06) * abstract *	1-14	
A	EP 0 864 749 A (SAGINOMIYA SEISAKUSHO INC ;TOYODA AUTOMATIC LOOM WORKS (JP)) 16 September 1998 (1998-09-16) * the whole document *	1-14	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F04B
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 23 May 2003	Examiner Olona Laglera, C
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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23-05-2003

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82